CLAIMS

What is claimed is:

1. A motorcycle having a longitudinal axis extending from a front wheel to a rear wheel, the rear wheel having an axis of rotation, the motorcycle also including a braking system, the braking system comprising:

a disk having a disk axis and a first side disposed proximate an output of a gearbox, wherein the disk rotates about the disk axis;

the disk having a second side opposite the first side, a universal joint being attached to the second side of the disk; and

wherein the disk axis is different than the axis of rotation of the rear wheel.

- 2. The motorcycle according to claim 1, wherein the direction of the disk axis is substantially similar to the longitudinal axis of the motorcycle.
- 3. The motorcycle according to claim 1, wherein the disk axis is spaced from the rear axle.
- 4. The motorcycle according to claim 1, wherein the disk is disposed within a body perimeter of the motorcycle.
- 5. The motorcycle according to claim 1, wherein the disk qualifies as sprung weight.
- 6. The motorcycle according to claim 1, wherein a drive shaft adapted to drive the rear wheel is attached to the universal joint.
- 7. A motorcycle comprising:
 - a front wheel with a front axle, wherein the front wheel rotates about the front axle, a rear wheel with a rear axle, wherein the rear wheel rotates about the rear axle, and

a brake system disposed between the front axle and the rear axle, wherein the brake system qualifies as sprung weight.

- 8. The motorcycle according to claim 7, wherein the brake system includes a disk rotating about a disk axis, the direction of the disk axis being different than the direction of the rear axle.
- 9. The motorcycle according to claim 7, wherein the brake system includes a disk attached to an output shaft of a gearbox.
- 10. The motorcycle according to claim 7, wherein the disk is attached to a universal joint, and the universal joint is attached to a drive shaft adapted to drive the rear wheel.
- 11. The motorcycle according to claim 7, wherein the disk rotates about a disk axis that is similar to the axis of rotation of a drive shaft.
- 12. The motorcycle according to claim 7, wherein the weight of the disk is supported by the front suspension and the rear suspension.
- 13. The motorcycle according to claim 7, wherein a rear brake assembly qualifies as sprung weight.
- 14. The motorcycle according to claim 13, wherein the rear brake assembly includes the disk, and caliper adapted to engage the disk.
- 15 The motorcycle according to claim 13, wherein the rear brake assembly includes a guard disposed over the disk and adapted to prevent foreign objects from contacting the disk.
- 16. A motorcycle comprising:

a front wheel, a rear wheel, a frame, a seat and handlebars;

the motorcycle also having a body perimeter; and

a disk adapted to brake the rear wheel, wherein the disk is located within the body perimeter.

- 17. The motorcycle according to claim 16, wherein the disk is rotatably associated with a frame of the motorcycle.
- 18. The motorcycle according to claim 16, wherein the rear wheel is mounted on a swing arm assembly that pivots with respect to the disk.
- 19. The motorcycle according to claim 16, wherein the rear wheel rotates about a rear wheel axis and wherein the disk rotates about a disk axis, and wherein the disk axis is different than rear wheel axis.
- 20. The motorcycle according to claim 16, wherein the rear wheel rotates about a rear wheel axis and wherein the disk rotates about a disk axis, and wherein the disk axis is spaced from the rear wheel axis.